

## JMU Earth Fest 2007



Join us on the beautiful campus of James Madison University for a week-long celebration of Earth Day 2007! From April 16<sup>th</sup> – 22<sup>nd</sup>, tell us what Earth Day means to you, listen to the stories and experiences of others, and engage in activities to learn what you can do to protect our planet's resources. Highlights of the week's events include: a 3-D visualization theatre presentation of the Earth, a community light bulb exchange sponsored by Wal-Mart, a music festival featuring area bands, and a tree planting ceremony. To learn more about these exciting events and more, refer to the

Earth Week agenda below or visit us online at [www.jmugreenteam.com](http://www.jmugreenteam.com). Earth Day events are a collaborative effort provided by The Clean Energy Coalition, EARTH, SHENAIR, and UPB. All activities are free and open to the community (unless otherwise stated). So grab a friend or bring the kids. We promise—going green has never been more fun!

### JMU Earth Fest Agenda (April 16 – 22, 2007)

#### Monday April 16

10:00 a.m. – 2:00 p.m.

4:00 p.m. – 6:00 p.m.

#### **Science on a Sphere – Community Presentations**

##### **Open to the Community**

**Location:** Memorial Hall, 5510 (Old Harrisonburg High School Building)

As a special event celebrating Earth Day, JMU will open its new 3-D visualization theater, Science on a Sphere (SOS), to the public. SOS projects animated images onto a unique six foot diameter, spherical movie screen. Many of the current images for SOS use processed satellite data so the observer has the illusion of seeing Earth (and other planets) from an astronaut's perspective in space. You are invited to register for a special 30 minute presentation of movie shorts on the dynamic changes in Earth's land cover, atmosphere, and oceans. We will also show movie shorts on several other planets and we will discuss the SOS system technology.

James Madison University is the first university to acquire SOS. To date, SOS has primarily been used in museums as an educational tool. JMU is using SOS for environmental and educational research. For more information on the sphere technology, visit: <http://sos.noaa.gov>. There is no fee for attending the showings, but reservations must be made due to limited space.

Please visit

<https://websurvey.jmu.edu/ss/wsb.dll/radochlm/spherecommunity.htm> to register. All registration fields must be completed. SOS is located in James Madison University's Memorial Hall, which is the old Harrisonburg High School. The Sphere is located in room 5510, which is half of the original auxiliary gym. There will be signage in the building to help direct you. Please arrive 10 minutes in advance as no late admissions can be accommodated. For more information on this event, please call 568-2766 or email [radochlm@jmu.edu](mailto:radochlm@jmu.edu).

6:30 p.m.

### **Energy Injustice – The Crisis at Marsh Fork Elementary**

**Open to the Community**

**Speaker:** Ed Wiley

**Location:** James Madison University HHS Building 1301

Ed Wiley is an ex-coal miner from West Virginia who is fighting hard to get a new school for his granddaughter. Marsh Fork Elementary School is surrounded by active mountaintop removal coal mine sites and sits 225 feet from a Massey Energy coal-loading silo that releases high levels of coal dust. The school also sits at the foot of earthen dam holding back 2.8 billion gallons of toxic coal-sludge. For more information on this event contact Marley Green at 540-612-5329 or email [greenmm@jmu.edu](mailto:greenmm@jmu.edu).

## **Tuesday April 17**

7:00 p.m.

### **Sustainable Farming in the Shenandoah Valley**

**Open to the Community**

**Speaker:** Joel Salatin

**Location:** James Madison University – ISAT Building 136

Joel Salatin is a full-time farmer in the Shenandoah Valley. A third generation alternative farmer, he passionately defends small farms, local food systems, and the right to opt out of the conventional food paradigm. His family farm, Polyface Inc., has been featured in SMITHSONIAN MAGAZINE, NATIONAL GEOGRAPHIC, GOURMET and countless other radio, television and print media. For more information contact Marley Green at 540-612-5329 or email [greenmm@jmu.edu](mailto:greenmm@jmu.edu).

## **Wednesday April 18**

9:30 a.m. – 12:30 p.m:

### **Protecting the Earth's Natural Resources**

**Open to Area High Schools**

**Reservations Required**

Area high school students will learn about environmental problems and solutions by circulating between several educational, interactive stations, including:

- **Science on the Sphere:** a room sized, global display system that uses computers and video projectors to display planetary data onto a six foot diameter sphere, analogous to a giant animated globe. Researchers at NOAA developed Science On a Sphere® as an educational tool to help illustrate Earth System science to people of all ages. Animated images of atmospheric storms, climate change, and ocean temperature can be shown on the sphere which is used to explain what are sometimes complex environmental processes, in a way that is simultaneously intuitive and captivating. Visit <http://sos.noaa.gov/> for more information.
- **Clean Air Champions:** a curriculum created by VDEQ and the American Lung Association of Virginia to educate motorists on the relationship between air quality and proper car maintenance—specifically, proper tire inflation. The highlights of this station include a vehicle simulator and

cubic meter model. Students will learn how to properly measure tire pressure by practicing on a biodiesel Chevrolet Blazer.

- **Change a Light, Change the World:** students will be provided with the knowledge of environmentally-friendly and cost-effective solutions that can help to reduce greenhouse gas emissions. A brief overview of global warming will be given.
- **Smog City:** students will be given background information on ozone and particle pollution what it is, how it is formed, etc. followed by an introduction to EPA AIRNOW's air pollution simulation video game, Smog City. By playing Smog City, students can see how individual choices, environmental factors, and different types of land use affect air pollution. In Smog City you are in charge so whether your visit is a healthy or unhealthy experience depends on the decisions that you make. Visit <http://www.smogcity2.org/> for more information.
- **Harrisonburg Trash Incinerator:** Few folks really know what goes on inside of the Harrisonburg Trash Incinerator. Municipal solid waste is collected from around the City and JMU Campus and brought to this Resource Recovery Facility. The actual trash is then burned, or incinerated, so that the overall volume that goes to the landfill is only 1/3 of its original size. In addition, the energy that is liberated from the burning trash is used to generate steam that is used to heat buildings on the JMU Campus. In the summertime, when heat is not needed, the energy is sent to a chiller system that provides air-conditioning to JMU. And, as an added bonus, the steam can be used to drive an electrical generator capable of producing 2.5 Megawatts of power!

For more information on this event, please call 568-2766 or email [radochlm@jmu.edu](mailto:radochlm@jmu.edu).

7:00 p.m.

### **Energy Justice and the Future of Energy**

**Open to the Community**

**Speaker:** Mike Ewall

**Location:** Health and Human Services Building Room 1302

Mike Ewall is the founder and director of ActionPA (a state-wide environmental grassroots support group in Pennsylvania) and the Energy Justice Network (a national organization to advancing clean energy policies while aiding grassroots fights against environmental injustice). For more information contact Marley Green at 540-612-5329 or email [greenmm@jmu.edu](mailto:greenmm@jmu.edu).

**Thursday April 19**

7:00 p.m.

### **The Fight Against Sludge**

**Open to the Community**

**Speaker:** Jack Spadaro

**Where:** Health and Human Services Building Room 1302

Jack Spadaro is a mine safety & health and environmental specialist who has worked for 38 years safeguarding people from hazards related to mining. He continues to serve as an expert witness and consultant in environmental and mine health and safety litigation. For more information contact Marley Green at 540-612-5329 or email [greenmm@jmu.edu](mailto:greenmm@jmu.edu).

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## **Friday April 20**

5:00 p.m.

### **Community Bike Ride**

#### **Open to the Community**

**Location:** Meet at the Bottom of Quad

The Community Bike Ride is a monthly silent protest against oil wars and the exploitation of fossil fuels. All members of the Harrisonburg community are invited to join in a mass bike ride through the city and around the JMU campus. For more information contact Marley Green at 540-612-5329 or email [greenmm@jmu.edu](mailto:greenmm@jmu.edu).

## **Saturday April 21**

2:00 – 9:00 p.m.

### **Festival Fest**

**Location:** Festival Lawn

#### **Open to the Community**

Festival Fest is a day-long free music festival featuring many local bands. Many fun events are planned along with local vendors. For more information contact Marley Green at 540-612-5329 or email [greenmm@jmu.edu](mailto:greenmm@jmu.edu).

## **Sunday April 22 (Earth Day)**

**12:30 p.m.**

**Tree Planting at the Harrisonburg SPCA**

**Open to the Community**

**Location: Meet at 12:00 noon and Carpool from Godwin Steps or meet us at the SPCA**

Give back to Mother Nature by participating in the grand finale of Earth Week. Trees not only add to the beauty of an area, but also provide a wealth of environmental benefits including: improved air quality, reduced carbon dioxide emissions, decreased storm water runoff, and improved erosion control. So get your hands dirty and show your appreciation for our planet by planting a tree! For more information contact Marley Green at 540-612-5329 or email [greenmm@jmu.edu](mailto:greenmm@jmu.edu).